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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No	1533 1100001/SRL/PCS
First Inventor	John D'Elia
Title	Ketogulonigenum Shuttle Vectors
Express Mail Label No	

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 40]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 12]
5. Oath or Declaration [Total Pages   ]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76.

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

jc821 US 09/826206  
04/05/01

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  Power of Attorney  
(when there is an assignee)
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Two (2) Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i) Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other Authorization under 37 C.F.R. § 1.136(a)(3)  
 Other: The name of the assignee is:

18. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76

Continuation  Divisional  Continuation-in-Part (CIP) of prior application No.    /     
Prior application information: Examiner    Group/Art Unit   

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

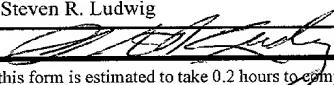
## 19. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label  Correspondence address below

Customer No. 26111

(Insert Customer No. or Attach bar code label here)

NAME	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C Attorneys at Law				
ADDRESS	1100 New York Avenue, N.W. Suite 600				
CITY	Washington,	STATE	DC	ZIP CODE	20005-3934
COUNTRY	U.S.A.	TELEPHONE	(202) 371-2600		FAX (202) 371-2540

NAME (Print/Type)	Steven R. Ludwig	Registration No. (Attorney/Agent)	36,203
SIGNATURE			
Date	4/5/01		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT

(\$890.00)

Complete if Known

Application Number	To Be Assigned
Filing Date	HEREWITH
First Named Inventor	John D'Elia
Examiner Name	To Be Assigned
Group Art Unit	To Be Assigned

Attorney Docket No. 1533.110001/SRL/PCS

## METHOD OF PAYMENT (check one)

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number 19-0036

Deposit Account Name Sterne, Kessler, Goldstein & Fox P L L C

Charge Any Additional Fee Required  
Under 37 CFR §§ 1.16 and 1.17

\* Applicant claims small entity status  
See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other\*  
\*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No 19-0036

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	
101	710	201	355 Utility filing fee	710.00
106	320	206	160 Design filing fee	
107	490	207	245 Plant filing fee	
108	710	208	355 Reissue filing fee	
114	150	214	75 Provisional filing fee	

SUBTOTAL (1) (\$ 710.00)

## 2. EXTRA CLAIM FEES

Extra Fee from below Fee Paid  
Total Claims 30 - 20\*\* = 10 X 18 X 18 = 180.00

Indep. Claims 1 - 3\*\* = 0 X 0 = 0

Multiple Dependent = 0

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Description
103	18	203	9 Claims in excess of 20
102	80	202	40 Independent claims in excess of 3
104	270	204	135 Multiple dependent claim
108	80	209	40 *Reissue independent claims over original patent
110	18	210	9 *Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 180.00)

\*\* or number previously paid, if greater, For Reissues, see above

3. ADDITIONAL FEES  
Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	130	123	130	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	481	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0)

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Steven R. Ludwig	Registration No. (Attorney/Agent)	36,203	Telephone	202-371-2600
Signature				Date	4/5/01

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

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\*\*REGISTERED PATENT AGENT  
\*\*\*SENIOR COUNSEL

April 5, 2001

WRITER'S DIRECT NUMBER:

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Michael E. Yates, Esquire  
Corporate Intellectual Property Counsel  
**Archer-Daniels-Midland Company**  
4666 Faries parkway  
Decatur, IL 62526

Re: U.S. Utility Patent Application  
Appl. No. To Be Assigned; Filed: HEREWITH  
For: **Ketogulonigenium Shuttle Vectors**  
Inventor: John D'Elia  
Our Ref: 1533.1100001/SRL/PCS

Dear Michael:

We are pleased to report the filing in the U.S. Patent and Trademark Office of the following documents:

1. SKGF Cover Letter;
2. PTO Fee Transmittal Form (PTO/SB/17);
3. PTO Utility Patent Application Transmittal Form (PTO/SB/17)
4. U.S. Utility Patent Application entitled:

**Ketogulonigenium Shuttle Vectors**

Commissioner for Patents  
April 5, 2001  
Page 2

- a. specification containing 40 total pages:
  - i. 35 pages of description prior to the claims;
  - ii. 4 pages of claims (Claims 1-30);
  - iii. a one (1) page abstract;
- b. Twelve 12 sheets of drawings (Figures 1A-4B);
- c. Twelve 12 pages of sequence listing;

4. The Sequence Listing in computer readable form (3½ diskette in ASCII);

5. Application Data Sheet (1 page);

6. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3) (*in duplicate*);

7. Our check No. 30856 for \$890.00 to cover:  
\$710.00 Basic Filing Fee (37 C.F.R. § 1.16(a));  
\$180.00 Fee for Excess Claims; and

8. Two (2) return postcards.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

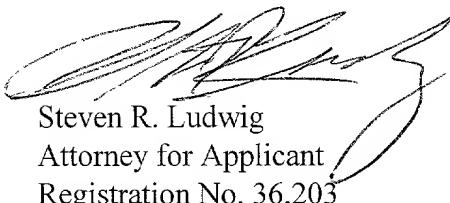
A computer readable copy of the sequence listing. In accordance with 37 C.F.R. § 1.821(f), the paper copy of the sequence listing and the computer readable copy of the sequence listing submitted herewith in the above application are the same.

Commissioner for Patents  
April 5, 2001  
Page 3

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Steven R. Ludwig  
Attorney for Applicant  
Registration No. 36,203

SRL/PCS:dcw  
Enclosures

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SKGF Rev. 4/27/00 mac